

2010-2011 K-8 Science Scope and Sequence 2010-2011

Time for Science: K-5 = 150 minutes/week; 6th-8th = 300 minutes/week

Grade	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
K	Characteristics of Living Things Animals Two By Two (FOSS) 8-9 weeks	Weather Weather (STC) 8-9 weeks	Properties That Make Materials Useful Fabric (FOSS) 8-9 weeks	Weather Weather (STC) 8-9 weeks
1	Plants and How They Grow New Plants (FOSS) 8-9 weeks	Solids and Liquids Solids & Liquids (FOSS) 8-9 weeks	Rocks and Soil Pebbles, Sand, and Silt (FOSS) 8-9 weeks	Organisms and their Environment Organisms (STC) 8-9 weeks
2	Air and Weather Air and Weather (FOSS) 8-9 weeks	Forces and Motion Balance & Motion (FOSS) 8-9 weeks	Making Measurements Balancing & Weighing (STC) 8-9 weeks	Animals and How They Live Insects (FOSS) 8-9 weeks
3	Water and the Water Cycle Water (FOSS) 8-9 weeks	Earth Materials and their Uses Earth Materials (FOSS) 6 weeks	Sound Physics of Sound (FOSS) 7 weeks	Earth, Sun, Moon, and Stars Sun, Moon, and Stars (FOSS) 7 weeks
4	Chemical Testing Chemical Tests (STC) 8-9 weeks	Electricity and Magnetism Magnetism & Electricity (FOSS) 8-9 weeks	Earth Features and Changes Land & Water (STC) 8-9 weeks	Cycles of Living Things Structures of Life (FOSS) 8-9 weeks
5	Microorganisms and Other Small Things Microworlds (STC) 8-9 weeks	Time and Motion Measuring Time (STC) 8-9 weeks	Levers, Pulleys and Machines Levers & Pulleys (FOSS) 8-9 weeks	Human Body: Form and Function Human Body (FOSS) 8-9 weeks

KEYS: (FOSS) – Full Option Science System; (STC) – Science and Technology for Children

Shading: purple – Life Science; green – Earth Science; orange – Physical Science; yellow – Space Science

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Grade	Sequencing and Pacing based on 38-week school year				
6 IAES OR IES	Soils and Rocks Studying Soil Scientifically (IAES) Soils and Rocks Rocks and Minerals (IAES) 9 weeks	Earth Processes Erosion and Deposition (IAES) 6 weeks	The Changing Earth Plate Tectonics (IAES) 6 weeks	Climate, Weather and Atmosphere Weather and Atmosphere (IAES) 7 weeks	Space Science Earth in Space (IAES) and Exploring the Solar System (IAES) 10 weeks
	Energy Resources Energy Resources (IES) 8 weeks	The Changing Earth Dynamic Planet (IES) 8 weeks	Rocks and Geological Time Fossils (IES) 7 weeks	Climate and Weather Climate & Weather (IES) 7 weeks	Space Science Astronomy (IES) 8 weeks
7 IALS (or SALI)	Scientific Method Studying People Scientifically (SALI) and (IALS) 5 weeks	Cell Structure and Function Micro-life (SALI) / Cell Biology (IALS) 10 weeks	Genetics Our Genes, Our Selves (SALI) / Genetics (IALS) 9 weeks	Ecology Ecology (SALI) and (IALS) 8 weeks	Evolution Evolution (SALI) and (IALS) 6 weeks
8 IAPS	Properties of Matter Studying Materials Scientifically (IAPS) 5 weeks	Materials Science Chemistry of Materials (IAPS) 9 weeks	Work, Energy, and Efficiency Energy (IAPS) 9 weeks	Motion and Forces Force and Motion (IAPS) 9 weeks	Water Water (IAPS) 6 weeks
IEY – District-wide PD for IEY will be phased out at the end of the 2009-2010 school year. Teachers of IEY may attend the IAPS PD in its place.					
8 IEY	Water Water Usage and Safety (IEY) 10 weeks	Materials Science Materials (IEY) 10 weeks	Work, Energy, and Efficiency Energy (IEY) 9 weeks	Groundwater (IEY) OR Force & Motion (IAPS transition) 9 weeks	

KEYS: (IES) – Investigating Earth Systems (It’s About Time); (IAES) – Issues and Earth Science (Lab-Aids); (SALI) – Science & Life Issues; (IALS) – Issues and Life Science (revised editions of SALI); (IAPS) – Issues & Physical Science (revised edition of IEY); (IEY) – Issues, Evidence, and You

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